

**A DIFFERENTIAL EQUALIZER
FOR BROADBAND COMMUNICATIONS SYSTEMS**

Abstract of the Invention

5

A device includes a differential equalizer that is suitable for use between an amplification chain. Additionally, the differential equalizer is suitable for use coupled before or after an amplification chain in a transmitter or a receiver. The device comprises a differential equalizer for equalizing an input signal. The differential equalizer can be packaged into an integrated

10

circuit for greater performance figures.